



REPLY TO  
ATTENTION OF

MTOP-DF-S

**DEPARTMENT OF THE ARMY**  
**HEADQUARTERS, MILITARY TRAFFIC MANAGEMENT COMMAND**  
**200 STOVALL STREET**  
**ALEXANDRIA, VA 22332-5000**

SEP 29 2003

MEMORANDUM THRU Commander, 597<sup>th</sup> Transportation Group, Military Ocean Terminal  
Sunny Point, 6280 Sunny Point Road, Southport, NC 28461-5000

FOR Commander, 834th Transportation Battalion, 410 Norman Avenue, Concord, CA 94520-  
1142

SUBJECT: Ammunition and Explosive Safety Exemption for the Military Ocean Terminal  
Concord, CA (MOTCO), 1 October 2003 through 30 September 2008

1. References:

a. MTDC-CO-JN memorandum, 18 December 2001, subject: Request for Exemption to the  
Ammunition and Explosives Safety Standards for Operations at Military Ocean Terminal  
Concord (MOTCO), CA.

b. Hazardous Material (HAZMAT) Waiver 99-09, Memorandum MTMC, 5 October, 2001  
(Encl 3).

c. AR 385-64, U.S. Army Explosive Safety Program, February 2000.

d. DA PAM 385-64, Ammunition and Explosive Safety Standards, July 2000.

e. DOD 6055.9 STD, Department of Defense Explosive Safety Standards, July 1999.

2. The Commander, Military Traffic Management Command (MTMC), hereby grants approval  
exemption for the handling and transshipment of ammunitions and explosives through the Port of  
MOTCO. This exemption provides relief from those provisions of references 1c and 1d which  
implement the DOD STD in reference 1e. These standards establish minimum quantity distance  
(QD) protection for inhabited building structures, public traffic routes and unbarricaded intraline  
quantity distance from munitions operations at MOTCO.

3. The exempted standards pertain to the Port of Chicago Memorial, Pier 2 Complex (pier 2, lot  
2 and T-10), Pier 3, Pier 4, Main Shipping Channel, Union Pacific and Burlington Northern  
Railway and operations buildings located inside the safety explosive arcs of sites involved in  
operations. The exempted conditions allow the following. (See enclosures 2 & 6 for details).

MTOP-DF-S

SUBJECT: Ammunition and Explosive Safety Exemption for the Military Ocean Terminal Concord, CA (MOTCO), 1 October 2003 through 30 September 2008

a. Waived Directive: AR 385-64, chapters 5, paragraph 5-6 and chapter 11-6, paragraph d (5).

b. The exempted conditions allow transportation of a maximum of 12, 690, 044 pounds net explosive weight (N.E.W.) of hazardous class and division (HC/DIV) 1.1, 1.2, 1.3, and 1.4 ammunition and explosives through MOTCO during peacetime operations. The breakdown of the munitions operation perimeters are as follows:

(1) Pier 2 Complex: 6.1 million pounds HC/D 1.

(2) Pier 3, Berth 3: 3, 474, 512 pounds, HC/D 1.1.

(3) Pier 4, Berth 5: 639,167 pounds, HC/D 1.1.

(4) Classification Yard 1: 918,960 pounds, HC/D 1.1.

(5) Holding Pads 1 thru 8: 1,484,287 pounds HC/D 1.1.

(6) Security bunker Bldg 202, 204, 206 & 208: 73,118 pounds, HC/D 1.1.

(7) Building 177 (container stuffing operation) 25,000 lbs. HC/D 1.1 and 1.2.

c. Pier 2 complex (pier 2, lot 2 and T-1O); the allowable N.E.W. is too low (0 lbs.) for effective operations. This exemption allows the loading and unloading of 6.1 millions lbs. of ammunition and explosives, hazardous class/division 1.1.

d. Pier 3; this exemption allows the operations of 3,474,512 million lbs. (HC/D 1.1 for Pier 3; Berth 3, and 2,773,505 million lbs. HC/D 1.1 for Pier 3, Berth 4.

e. Pier 4; this exemption allows the operations of 639,167 thousand lbs. of HC/D 1.1 for Pier 4; berth 5; and 429,685 thousand lbs. for Pier 4, berth 6.

f. Classification Yard 1 (holding yard); this exemption allows operations of 918,960 thousand lbs. of HC/D 1.1.

g. Building E-351, U.S. Navy (2 personnel) operations; this exempts the required inhabited building quantity distance (IBD) of 9,136 ft. from the Pier 2; and 7,445 ft. from Pier 3.

h. Building E-85; truck inspection point; this exempts the required unbarricaded intraline (IL) QD of 3289 feet from Pier 2 complex.

MTOP-DF-S

SUBJECT: Ammunition and Explosive Safety Exemption for the Military Ocean Terminal Concord, CA (MOTCO), 1 October 2003 through 30 September 2008

i. Building E-106 Marine Terminal Corporation (MTC) office and longshoremen break and lunch room; this exempts the required unbarricaded intraline QD of 3289 feet from Pier 2 complex.

j. Buildings A-3, JA Jones and E&E Contractors; Bldg. 177, container stuffing operation and Bldg. A-24 railroad tower; this exempts the required QD of 1750 feet from the Classification Yard.

k. Building 177, Container Stuffing, this exempts the required QD of 527 feet to the potential explosive site. (See enclosures 2 & 7).

4. The following **risk management (mitigation)** and **compensatory safety control measures** will be carried out.

a. Safety will be a primary consideration in planning and execution of all operations.

b. A minimum number of personnel will be exposed to the smallest quantity of explosives for the shortest period of time.

c. The number of workers will be kept to the minimum required to conduct operations.

d. Storm Scope will be monitored during operations. Operations will cease and evacuations take place if and or when lightning is detected within a 5-mile radius of the pie.

e. US Coast Guard and Maritime Police personnel will provide a moving safety zone, a regular patrol and restrict access during ammunition operations.

f. The Fire Department will be notified of operations and placed on standby status.

g. All uploaded vehicles to include material handling equipment (MHE) will have fire extinguishers.

h. The local police department will be notified of the scheduled date and time of operations.

i. Local Emergency Medical Personnel will be notified of operations and placed on standby status.

j. Security personnel will patrol the staging and loading areas.

k. No smoking will be permitted outside of designated smoking areas.

MTOP-DF-S

SUBJECT: Ammunition and Explosive Safety Exemption for the Military Ocean Terminal Concord, CA (MOTCO), 1 October 2003 through 30 September 2008

- l. Personnel directly involved with operations will be briefed prior to commencing duties.
  - m. Only trained personnel will conduct the explosive operations function.
  - n. The wearing of all required personal protective equipment will be enforced.
  - o. During explosive operations, neither members of the public nor workers not connected with the operation will be allowed on the terminal.
  - p. No other operation will be conducted during explosives missions.
  - q. Commanders will ensure the incorporation of safety into all aspects of operations and require that it take precedence over all other considerations.
  - r. Operations will not be initiated or continued when conditions are hazardous to safety or health.
5. Risk: The primary hazard is mass detonation of hazard materials class and division 1.1 materials to a radius of 1,250 feet. A secondary risk is blast/fragments of hazards material class and division 1.2 (EncI-7). The risk to personnel and property during munitions operations is assessed as medium and is limited to the tidal area only. The main risk to public traffic routes are to the passenger rail service line and the main vessel channel. In addition to MOTCO employees, approximately 115 contract stevedores are at risk, as are 135 railroad employees, for an approximate total of 250 persons. The munitions will be properly packed, largely containerized, and blocked and braced. Although the use of containers will greatly reduce the potential for an incident, personnel and property remain at risk (see DA Form 7319-R, enclosure 8).
6. In accordance with ref 1c, Figure 7-1, the Decision Authority Matrix, the hazard severity could be catastrophic, while the hazard probability of an event occurring is unlikely.
7. This exemption is effective 1 October 2003 and expires 30 September 08. In accordance with the explosives safety standards, a review of the risks and assessment of hazards will be conducted annually with a written report to the Department of Defense Explosives Safety Board.

MTOP-DF-S

SUBJECT: Ammunition and Explosive Safety Exemption for the Military Ocean Terminal  
Concord, CA (MOTCO), 1 October 2003 through 30 September 2008

8. The point of contact is Ms. Tiney L. Sales, Safety Manager, at (757)-878-8289.

10 Encls

1. Explosives Safety Point Paper
2. CDR, 834th Waiver Request MEMO
3. MOTCO HAZMAT Waiver 99-09
4. Waiver Risk Assessment
5. DA Form 7319-R, for Waiver
6. CDR, 834th Exemption Request MEMO
7. Exemption Risk Assessment
8. DA Form 7319-R, for Exemption
9. Potential Explosive Site
10. Maps (5)



ANN E. DUNWOODY  
Major General, USA  
Commanding